WHAT IS CLAIMED IS:

1. A print data processing apparatus comprising:

a receiver for receiving print data;

a receiving buffer for storing the received print data;

a receiving controller for stopping receiving processing of the print data performed by the receiver when a free space in the receiving buffer has run out, and resuming the receiving processing of the print data performed by the receiver when the free space in the receiving buffer is above the predetermined value;

auxiliary storage device which can store the print data;

a write controller for starting write processing to write the print data stored in the receiving buffer into the auxiliary storage device when the free space in the receiving buffer has run out, and stopping the write processing when the free space in the receiving buffer is above a predetermined value before completion of writing; and

a developing unit for reading the print data from the receiving buffer or the auxiliary storage device to develop the print data into image data,

wherein when the print data which has finished with the write processing is present in the auxiliary storage device, the developing unit reads the print data from the auxiliary storage device to develop the print data into

image data.

2. The print data processing apparatus according to claim 1, wherein when the write processing is cancelled, the write controller destroys the print data in the auxiliary storage device.

3. The print data processing apparatus according to claim 1, wherein when the write processing is completed, the write controller empties the space of the receiving buffer where the print data written into the auxiliary storage device in this write processing has been stored.

4. The print data processing apparatus according to claim 1, wherein when the print data which has finished with the write processing is present in the auxiliary storage device, the developing unit reads the print data in order of writing.

5. The print data processing apparatus according to claim 1, wherein after reading the print data, the developing means destroys the print data in the auxiliary storage device.

6. The print data processing apparatus according to claim 1, wherein the auxiliary storage device is a hard disk drive.

7. A print data processing apparatus comprising:

a receiver for receiving print data;

a receiving buffer for storing the received print data;

a receiving controller for switching receiving

processing of the print data performed by the receiver to a first receiving mode, a second receiving mode in which the receiving processing is slower than in the first receiving mode, and a suspend mode which suspends the receiving

5   processing;

auxiliary storage device which can store the print data;

write controller for starting write processing to write the print data stored in the receiving buffer into

10   the auxiliary storage device when a free space in the receiving buffer has run out, and canceling the write processing when the free space in the receiving buffer is above a predetermined value before completion of writing; and

15   developing unit for reading the print data from the receiving buffer or the auxiliary storage device to develop the print data into image data,

wherein when an amount of print data stored in the receiving buffer is below a first threshold value, the

20   receiving controller sets the receiving processing into the first receiving mode, and when the amount of print data stored in the receiving buffer has exceeded a second threshold value, the receiving controller sets the receiving processing into the second receiving mode, and

25   when the free space in the receiving buffer has run out, the receiving controller sets the receiving processing into the suspend mode, and when the free space in the receiving

buffer is above a predetermined amount, the receiving
processing of the print data performed by the receiver is
resumed; and

when the print data which has finished with the write
5   processing is present in the auxiliary storage device, the
developing unit reads the print data from the auxiliary.
storage device to develop the print data into image data.

8. The print data processing apparatus according to
claim 7, wherein when the write processing is cancelled,
10   the write controller destroys the print data in the
auxiliary storage device.

9. The print data processing apparatus according to
claim 7, wherein when the write processing is completed,
the write controller empties the space of the receiving
15   buffer where the print data written into the auxiliary
storage device in this write processing has been stored.

10. The print data processing apparatus according to
claim 7, wherein when the print data which has finished
with the write processing is present in the auxiliary
20   storage device, the developing unit reads the print data in
order of writing.

11. The print data processing apparatus according to
claim 7, wherein after reading the print data, the
developing unit destroys the print data in the auxiliary
25   storage device.

12. The print data processing apparatus according to
claim 7, wherein the auxiliary storage device is a hard

disk drive.

13. The print data processing apparatus according to claim 7, wherein when the receiving processing by the receiver is resumed, it is resumed in the first receiving mode or the second receiving mode, depending on the amount of print data stored in the receiving buffer.

14. A print data processing method comprising the steps of:

receiving print data, and storing the print data in a receiving buffer;

reading the print data from the receiving buffer to develop the print data into image data;

stopping receiving processing of the print data performed by receiving device when a free space in the receiving buffer has run out, and starting writing of the print data stored in the receiving buffer into an auxiliary storage device; and

when the free space of the receiving buffer reaches a predetermined amount or more before completion of the write processing into the auxiliary storage device, canceling the writing, and resuming the receiving processing of the print data performed by the receiving device.

15. The print data processing method according to claim 14, having a step of, when the print data which has finished with the write processing is present in the auxiliary storage device, reading the print data from the auxiliary storage device to develop the print data into

image data.

16.   The print data processing method according to claim 14, wherein when the write processing is cancelled, the print data in the auxiliary storage device is
5   destroyed.

17.   The print data processing method according to claim 14, wherein when the write processing is completed, the space of the receiving buffer where the print data written into the auxiliary storage device in this write
10   processing has been stored is emptied.

18.   The print data processing method according to claim 14, wherein when the print data which has finished with the write processing is present in the auxiliary storage device, the print data is read in order of writing.

15   19.   The print data processing method according to claim 14, wherein after the print data is read, the print data in the auxiliary storage device is destroyed.

20.   A print data processing apparatus comprising:

a receiver for receiving data;

20   a receiving buffer for storing the received data;

a receiving controller for stopping receiving processing of the data performed by the receiver when a free space in the receiving buffer has run out, and resuming the receiving processing of the data performed by

25   the receiver when the free space in the receiving buffer is above a predetermined amount;

auxiliary storage device which can store the data;

write controller for starting write processing to write the data stored in the receiving buffer into the auxiliary storage device when the free space in the receiving buffer has run out, and canceling the write

5 processing when the free space in the receiving buffer is above a predetermined value before completion of writing; and

processing means for reading the data from the receiving buffer or the auxiliary storage device to process

10 the print data,

wherein when the data which has finished with the write processing is present in the auxiliary storage device, the processing means reads the data from the auxiliary storage device to process the data.